

Serial No. 09/020,716
Group Art Unit: 1638

Please replace the paragraph beginning at page 12, line 1, with the following rewritten paragraph:

-- Many other proteins are also appropriate, for example the protein encoded by the structural gene can be a lysine and/or sulfur rich seed protein, such as the soybean 2S albumin described in U.S. Pat. No. 5,850,016 issued December 15, 1998, and the chymotrypsin inhibitor from barley, Williamson *et al.*, Eur. J Biochem 165:99-106 (1987), the disclosures of each are incorporated by reference. --

Please replace the paragraph beginning at page 12, line 6, with the following rewritten paragraph:

sub 23
-- Derivatives of these genes can be made by site directed mutagenesis to increase the level of preselected amino acids in the encoded polypeptide. For example the gene encoding for the barley high lysine polypeptide (BHL), is derived from barley chymotrypsin inhibitor, U.S. Ser. No. 08/740,682 filed November 1, 1996 and PCT/US97/20441 filed October 31, 1997, the disclosures of each are incorporated herein by reference. The gene encoding for the enhanced soybean albumin gene (ESA), is derived from soybean 2S albumin described in U.S. Pat. No. 5,850,016, the disclosure of which is incorporated herein in its entirety by reference. --

Please replace the paragraph beginning at page 12, line 15, with the following rewritten paragraph:

-- Other examples of sulfur-rich plant proteins within the scope of the invention include plant proteins enriched in cysteine but not methionine, such as the wheat endosperm purothionine (Mak and Jones; Can. J. Biochem.; Vol. 22; p. 83J; (1976) SEQ ID NO: 22; incorporated herein in its entirety by reference), the pea low molecular weight albumins (Higgins, *et al.*; J. Biol. Chem.; Vol. 261; p. 11124; (1986) SEQ ID NO: 14-15; incorporated herein in its entirety by reference) as well as 2S albumin genes

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from other organisms. See, for example, Coulter, *et al.*; J. Exp. Bot.; Vol. 41; p. 1541; (1990); incorporated herein in its entirety by reference. --

Please replace the paragraph beginning at page 13, line 1, with the following rewritten paragraph:

-- Such proteins also include methionine-rich plant proteins such as from sunflower seed (Lilley, *et al.*; In: Proceedings of the World Congress on Vegetable Protein Utilization in Human Foods and Animal Feedstuffs; Applewhite, H. (ed.); American Oil Chemists Soc.; Champaign, IL; pp. 497-502; (1989); incorporated herein in its entirety by reference), corn (Pedersen, *et al.*; J. Biol. Chem. p. 261; p. 6279; (1986) SEQ ID NOS: 16-17; Kirihaara, *et al.*; Gene, Vol. 71; p. 359; (1988) SEQ ID NOS: 18-19; both incorporated herein in its entirety by reference), and rice (Musumura, *et al.*; Plant Mol. Biol.; Vol. 12; p. 123; (1989) SEQ ID NOS: 20-21; incorporated herein in its entirety by reference). --